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TI Manufacture of plugging cement-barite-fly ash
mortar for casing of wells
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SO Russ., No pp. given
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DT Patent
LA Russian
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CC 58-3 (Cement, Concrete, and Related Building Materials)
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AB New plugging mortar is used for drilling oil and gas wells in formations with abnormally high pressures within temp. range of 60-140.degree.. Grouting mortar contains Portland cement 15.38-25.74, barite 22.06-46.15, power station fly ashes 15.38-25.74 wt.%, and water in the balance. Portland cement is first mixed with fly ashes and resulting mixt. is then introduced into vacuum hydraulic mixer simultaneously with 70-80 wt. % of barite based on its projected amt. and water fed under pressure. The obtained slurry is stirred and hydraulically activated in hydraulic mixer. After addn. of the rest of barite, hydraulic activation of soln. is repeated several times at pressure of 8-12 MPa. The resulting grout has increased heat resistance and strength of cement stone.
ST plugging cement mortar fly ash barite oil
well
IT Mortar